



Caleb Brett

REPORT OF ANALYSIS

Vessel United Moonlight
Port/Terminal Sprague, Searsport, ME
Client Reference V-03-1701
Our Reference 2003-0408
Date Sample Taken 12/15/03
Date Submitted 12/17/03
Date Tested 12/17/03
Sample Designated as No. 6 Fuel Oil
Drawn By Intertek Caleb Brett
Representing Tank 3 after discharge

Lab Reference Number

Test	Method	Results	Units
Gravity	ASTM D 4052	10.6	API @ 60F
Flash Point	ASTM D 93B	+93 / +216	C / F
Viscosity @ 122F	ASTM D 445/2161	247.7 / 117.1	cSt / SFS
Pour Point	ASTM D 97	-6 / +21	C / F
Water by Distillation	ASTM D 95	0.10	% Volume
Sediment by Extraction	ASTM D 473	*	
S & W	ASTM D 1796	*	% Volume
Sulfur	ASTM D 4294-98	1.83	% Weight
Ash	ASTM D 482	0.066	% Weight
Nitrogen, Chemiluminescence	ASTM D 5762	0.38	% Weight
Vanadium, Organic Dilution	ASTM D 5863B	224	mg/kg
Sodium, Organic Dilution	ASTM D 5863B	28	mg/kg
Heat of Combustion	ASTM D 240	18,243	BTU's/pound
Heat of Combustion	Conversion	151,289	BTU's/gallon
API Gravity	Table 8	8.293	API
Asphaltenes	IP-143	6.9	% Weight
Conradson Carbon Residue	ASTM D 189	12.6	% Weight

*Results pending

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ITS/Caleb Brett